DXpedition News

Iceland - TF Three German DXers will operate **/TF** July 27-August 24. On CW look 1 kHz up, and on SSB try 28485, 21285, 14145, 7045, 3785, 24945, and 18145 kHz, listening up. Complete call only, please. Ops Heidi DL2GCA, Harold DL2GCH, and Hans DF2UU ask for all cards via the DARC bureau, to DF2UU. Donations appreciated.

North Cook Islands - ZK Steve AA6LF plans to operate as **ZK1XP** from Penrhyn Island (OC-82) in the North Cooks for about 5-6 days, beginning July 6th or 7th. Sunrise 1705Z, sunset 0430Z. He then sets sail for Palmyra KH5, with expected arrival around July 22, for a one-week operation. QSL his home call.

United Arab Emirates - A6 Saeed **A61AD** says he will be on 14190 kHz at 1400Z most days, looking for the west coast. QSL to WB2DND with large (business-sized) self-addressed, stamped envelope.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Palau - KC6 Three Japanese operators will be on from Koror Island (OC-09) in the former Western Caroline Islands Sept. 12-16. JA2NQG will be **KC6CW**, JH2BNL will be **KC6DX** and JI2UAY will be **KC6MZ**. 160-6 meters, CW and SSB. QSL home calls.

South Sandwich and South Georgia - VP8 Plans continue for a major DXpedition to these Antarctic islands. JE3MAS (5H1HK) and DJ9ZB may join the team of operators, that already includes AH2BE, KØIR, K5VT, KO7N, XE1VIC, K5MM, ADØS, W6OAT, WA3JVN, KM4KJ, WSØS, and VE3SUN. **VP8SSI** and **VP8SGI** are callsigns. Tentative dates are Nov. 20-Dec. 13 for South Sandwich, and Nov. 24-Dec. 9 for South Georgia. Donations are urgently requested, via AA6BB/7.

Shortly Noted

- **EK1NWB** will be active July 12-24, sponsored by the Karelian DX Club. QSL to Victor Sinjavin UA1NEJ, P.O.Box 520, Petrozavodsk-26, 185026 Karelia USSR.
- **UA1N** will be on for the IARU HF test July 14-15, also by the Karelian DX club. Same QSL address.
- **GB2NTS** will be active July 15-22, from four castles in the Grampian region of Scotland: Drum, Fraser, Craigievar, and Leith Hall. Overseas stations work at least two to earn a certificate, which cost US$1 from GM4UQC, Box 59, Hamilton, Lanarkshire ML3 6OB, Scotland.
- **IH1A** will be active after July 8 by I1RBJ. QSL I1RBJ.
- **KD4JB/TF** is Mike Schwartz at the American Embassy in Iceland for the next two years. QSL to Box 40, U.S. Embassy, FPO NY 09571.
- **Romania** YO amateurs received permission to operate on 30, 17, and 12 meters on June 12.
- **V31BB** passed away in front of his pair of Icom IC-781s on June 20. No word on disposition of pending QSL requests.
- **RT1U** is the contest call of the UT4UXW in 1990. QSL to Box 785/1, Kiev 252058 USSR. QSL **RT7U, EX3TM** and **EO6AAS** via the same address.
- **VK9TR** leaves Willis in mid-July. Catch him now!
- **VK9XJ** is the requested call of VK3AWY from Cocos-Keeling July 10-17, if the plane flies.
- **JA2EZD** Hiroo Yonezuka is on the road again, with planned stops in Macao July 7-12, and Thailand July 12-21.
- **1SØXV** Spratly QSL cards may be send to the International DX Association (INDXA), in care of W4FRU. Logs are expected to come to the US via one of the RadioSport teams, later this month. Donations to cover the very high cost of this DXpedition would be greatly appreciated.
- **SSB Net** check-ins: **14222** kHz: 3D2XV; **14227**: T3ØJH 7Q7RM YI2LVB T3ØIO ZS9A N6BUV/KHØ YJ6RN VK9TR; **14256** KG4DD VP8CED JX7DFA OX3EW; **21335**: 5H3RJ 5V7RF. ZL1ACW says he and other Pacific stations meet on 24985 kHz daily at 2300Z.
- **RTTY report: JH1QDB** will operate **/JD1** from Ogasawara Sept. 23-30, including the CQWW RTTY test, 88 kHz up, with some CW and SSB outside the test. QSL to Kuni Fujii JH1QDB, 1-2-6 Hanasaki, Narashino 275, Japan. Some active stations: **YO6JN** 14088 kHz at 0245Z; **CEØZIG** 14090 0316Z; **BV2VB** 21082 1650Z; **UH8AAB** 21091 1840Z; **JX9CAA** 14084 1945Z; **TU2UR** 14080 0745Z; **V73AX** 14085 1115Z; **5NØETP** 21091 1440Z; **EA9BH** 21092 1830Z; **ZC4NC** 21090 1810Z; **HV3SJ** 14089 0315Z; **TJ1MW** 14087 0615Z.
- **Leningrad** convention (August 3-6) information is now available from Howard Lazarow at 800-7-MOSCOW.
- **Islands On The Air: UZØZWA/UAØX** on Karaginsky Is. (AS-64) is often on 20M CW 04-0630Z, and again after 1230Z. QSL Box 253, Petropavlovsky, Kamchatka 683000, USSR. **EJØSI** will be on from Great Saltee (EU-103) July 21-22. Try 25 kHz up on CW, and 1825, 3785, 7085, 14185, 21285, and 28785 kHz on SSB. QSL to EI3BA. **UAØQT/UØK** is on Wrangel Island (AS-27). Try 18079 kHz at 0345Z.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before				55 Days Before			
July 1990	Date	Flux	A	K	Date	Flux	A	K
06 Below Normal	06/09	198	24/30	3	05/12	210	05/10	0
07 Low Normal	06/10	206	12/20	2	05/13	216	14/06	3
08 High Normal	06/11	209	14/14	3	05/14	220	03/06	1
09 Disturbed	06/12	219	45/57	6	05/15	239	07/08	2
10 Disturbed	06/13	198	41/51	4	05/16	243	06/07	1
11 Disturbed	06/14	196	47/55	3	05/17	232	05/07	2
12 Above Normal	06/15	185	10/10	2	05/18	256	25/25	3
13 Above Normal	06/16	180	05/07	2	05/19	268	15/21	3
14 Above Normal	06/17	178	03/06	2	05/20	260	17/24	3
15 High Normal	06/18	162	10/12	2	05/21	249	21/22	4
16 High Normal	06/19	156	08/11	2	05/22	236	45/41	3

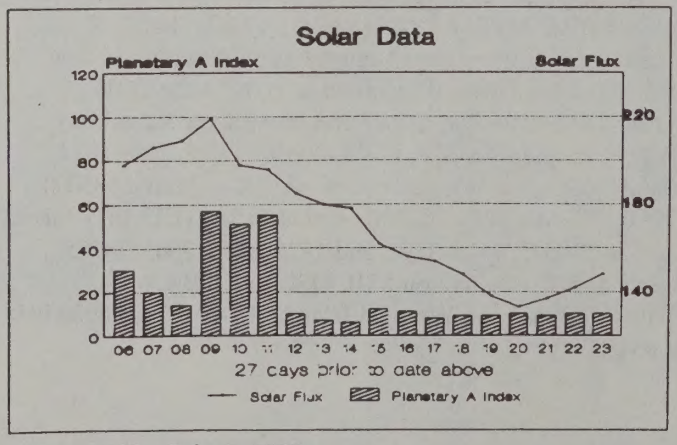
Propagation Watch

Solar flux bounced back to the 250 level in early July, as the active side of the sun rotated in our direction. Several large, active sunspot regions contributed to the increase in solar flux. If these regions continue to grow in size and complexity during this week, we should see even higher levels of flux. Solar activity will then decline as the quieter side of the sun rotates in our direction, with a minimum expected around July 20.

The sun has been kind to DXers the past week, with no major flares nor geomagnetic disturbances interfering with good propagation. Although maximum useable frequencies remain seasonally depressed, band conditions have been very good. The combination of 200+ flux levels and single-digit planetary A indices means good long-haul and long-path openings, especially on low-latitude paths.

The forecast above suggests a recurrence of the disturbed conditions that plagued the bands in mid-June. However, while several active sunspot regions will be on the western side of the visible hemisphere of the sun (when flares cause greater disruption to the geomagnetic field), flares aren't as predictable as solar flux levels. The **potential** for an increase in geomagnetic activity is higher in the next week, but don't expect a day-by-day match-up from the previous solar revolution. Always listen to WWV or WWVH for the latest solar report. And don't forget to tune around the bands, as well. The reports on WWV reflect past conditions better than they predict future conditions, so there are few substitutes to tuning across the bands.

Try 40, 30, and 20 meters at and just before local sunrise, for the strong westward opening. 17 and 15 meters open about the same time, with another peak near local sunset. And keep an ear out for north-south and E-skip openings on 10 and 12 meters. Good hunting!



Regulars

▪ **Azerbaijan**	RD7ØDC	18073	0230Z
▪ **China**	BZ2RA	20M CW	12-1400Z
▪ **Crete**	SV9BAI	21017	2100Z
▪ **Eastern Malaysia**	9M8PV	14165	1145Z
▪ **Eastern Malaysia**	9M8MG	14215	13-1400Z
▪ **French Polynesia**	FOØKW	14200±	07-0900Z
▪ **Japan**	8J9ØXPO	14025	1100Z
▪ **Kerguelen**	FT5XH	28440	08-1200Z
▪ **Marshall Islands**	V73AZ	14190±	1100Z
▪ **Mauritius**	3B8CF	21030/0500Z	18077/0315Z
▪ **Papua New Guinea**	P29PL	20M CW	10-1300Z
▪ **San Andreas**	HKØBKX	14020	00-0200Z
▪ **Sri Lanka**	4S7CF	21011	01-0200Z
▪ **Tadzhikistan**	UJ8JCQ	21013	0100Z
▪ **Taiwan**	BV2DA	14025	1400Z
▪ **Thailand**	HSØAC	14020	10-1130Z
▪ **United Arab Emirates**	A61AD	14165±	12-1400Z
▪ **Walvis Bay**	ZS9A	28610	1430Z
▪ **Willis Island**	VK9TR	14190±	11-1300Z

Northern California DX Foundation

The Northern California DX Foundation has elected its directors and officers for the 1990-1991 term. Elected as directors were Eric Edberg, W6DU; Rusty Epps, W6OAT; Bruce Butler, W6OSP; Dave Leeson, W6QHS; Steve Thomas, N6ST; Kip Edwards, W6SZN; Lou Beaudet, K6TMB; Stan Kaisel, K6UD; Rich Stempien, WA9WYB; Howard Brainen, WZ6Z; and Josephine Clarke, WB6ZUC. N6ST, WA9WYB, and WZ6Z are new to the Board, replacing N6HR, K6LLK, and KA6W who had asked to be relieved because of other commitments. New Foundation officers are W6OAT, President; K6TMB, Vice President; W6DU, Secretary; and W6OSP, Treasurer.

Because of the numerous DX opportunities, the NCDXF has committed nearly US $80,000 in support of DXpeditions this past year. Among the operations supported were Bhutan, A51JS; Bouvet Island, 3Y5X; Cocos Keeling Island, VK9EW, VK9WB; Conway Reef, 3D2CR, 3D2AM; Equatorial Guinea, 3C1AG; Jarvis Island, AH3C/KH5J; Kampuchea, XU8CW, XU8DX; Laos, XW8CW, XW8DX; Marion Island, ZS8MI; Pagalu Island, 3CØGD; Revilla Gigedo, XF4L; Sao Tome & Principe, S9AGD; St. Peter & St. Paul Rocks, ZYØSS, ZYØSW, ZYØSY; South Sudan, STØ/PA3CXC; Spratly Islands, 1SØXV; and Walvis Bay, ZS1IS. This level of support activity has strained the Foundation's resources, and the Directors are pursuing an aggressive campaign to solicit donations to replenish the treasury.

The Northern California DX Foundation has committed US$3,000 in support of the World Radiosport Team Championship to be held in cooperation with the Goodwill Exchange Program of the 1990 Goodwill Games in Seattle, WA. The WRTC, a competitive event featuring 22 world class amateur radio contest teams, will occur on July 20, 1990. The WRTC also has been endorsed by the Radio Sport Federation of the Soviet Union and the American Radio Relay League in the USA. Although the WRTC is a departure from the type of activity normally supported by the NCDXF, the Foundation's Directors believe the potential this event has for generating worldwide positive publicity for amateur radio in general, and for contesting and DXing in particular, justifies making the exception.

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

5V7RF	21091	0030	21	PA
A41JW	14091	0202	27	PA
C6A/ AB4ES	14085	0111	27	PA
CE2WO	14085	0123	29	PA
EA6BH	21091	1820	23	OH
EA9MY	14083	2223	29	FL
HV3SJ	21084	1745	23	OH
LU9ACP	14087	0202	25	PA
LY2WW	14086	0350	23	OH
LZ2WO	14084	0345	26	CA
LZ2WO	21086	0404	23	PA
OH2BGD	14080	0345	23	CA
OZ7GI	14089	0655	23	CA
PJ7VL	14085	0323	27	PA
PJ8DFS	21090	1951	30	FL
PZ1BS	14086	0305	23	OH
PZ1BS	14084	2201	29	FL
RF1F/ UA3TT	14085	0212	29	PA
	14092	2209	28	FL
SP3XR	14084	0250	29	CA
UQ2HO	21094	0222	21	PA
UQ2HO	14088	0505	24	OH
UZ4FWD	14088	0300	23	OH
UZ4FWD	14092	2200	27	CA
UZ9CWA	21089	1820	23	OH
UZ9CWA	21087	2314	30	FL
V73AX	14089	1111	24	PA
YO6JN	14090	0245	29	CA
ZD9DJ	14089	2323	27	PA

75 Meters

FP5DX	3798	0509	25	FL
ZK3EKY	3798	1038	20	VA

40 Meters

3A/ K4UEE	7013	0150	26	IA
3B/ JJ1TZK	7013	0451	25	NH
H44RW	7012	0955	28	PA

30 Meters

3B8CF	10105	0313	29	MA
HZ1HZ	10106	2240	24	MA
YO3CD	10105	0056	19	SC

20 Meter CW

3D2AG	14017	1023	20	NH
4K3PA	14012	0501	21	NH
4S7CF	14012	1120	17	LA
4S7NE	14003	1201	23	AL
4S7WP	14007	1150	23	AL
7Q7RM	14005	1340	29	CA
7X2FK	14032	0408	19	TN
8J9ØXPO	14024	1115	28	NH
9M2AX	14026	1132	23	AL
9V1JY	14023	1240	20	UT
9V1YC	14025	1156	22	LA
AH3C	14028	0305	21	GA
BV2DA	14026	1355	22	CA
BV2TA *	14024	1106	28	MA
BY4RB	14027	1222	20	UT
BZ4RA	14006	1156	23	NY
C21DX	14030	1230	20	AL
C31RI	14002	2237	28	FL
DU7/N7ET	14011	1137	25	AL
ES3XV	14048	0140	29	FL
FK8DD *	14005	2004	27	MA
FK8FS	14025	1123	20	MA
FK8GJ	14021	1136	19	MA
HKØBKX	14020	0010	25	MA
HKØBKX	14022	1343	25	IL
HR1LW	14005	1155	18	LA
HSØAC	14018	0945	28	PA
HSØD *	14024	1103	28	MA
HZ1AB	14013	1340	17	IL
JX7DFA	14021	0045	25	AL
KH3/ KJ6BZ	14027	0555	24	PA
OY1CT	14003	0105	26	IA
P29PL	14010	0950	28	PA
RC7WWF	14031	2322	20	VA
SV8/ SVØMO	14004	0533	26	NH
UAØX/ UZØZWA	14025	0412	20	UT
	14010	1226	19	SC
UJ8J/ UZ9LWG	14006	0144	29	FL
UJ8JX	14016	0110	26	IA
V6/ JJ1TZK	14025	1143	27	CA
XJ4G	14016	0047	27	NH
Y9ØANT	14026	1320	29	CA
	Antarctica			
YN3CC	14005	0725	25	NH
ZP6XDW	14023	1100	22	IL

20 Meter SSB

3B8FU	14201	1058	23	VA
3D2CC	14132	0415	20	IL
3D2RM	14211	1057	23	NY
5H3TW	14179	1348	23	SD
5NØETP	14241	2305	23	MD
5W1KT	14195	1040	23	VA
9K2EC	14252	1916	27	MA
9K2YA	14242	2203	28	MD
9M8MG	14212	1240	25	IL
9M8PV	14165	1141	25	NY
9V1XQ	14185	1130	22	NY
A61AB	14209	1415	29	CA
A61AB	14250	2334	22	MA
A61AD	14185	1215	21	IA
A61AD	14190	2151	29	MA
C31RI	14232	0724	25	GA
CEØMTY	14160	0152	20	IL
EP2HZ	14160	2240	27	CA
FK8FR	14208	1042	26	VA
FOØKW	14207	0715	25	GA
FR4AE	14192	1302	22	NH
FR4FR	14189	1100	19	OH
H44AP	14180	1044	21	MI
HL9OB *	14176	1009	26	VA
JD1/ JE1ZSK	14196	1120	21	NY
JT1BG	14278	1244	20	NH
KA2IJ	14165	1055	20	OH
KHØ/ W6BUV	14235	1100	21	OH
KHØAC	14283	0830	26	GA
KH3/ WA6MMX	14240	0941	23	VA
P29CG	14234	1105	19	OH
T3ØBC	14241	1145	19	GA
TA5C	14203	0411	27	FL
TR8GL	14160	2220	27	CA
TU2JL	14209	0600	26	FL
TZ6VV	14210	0802	19	GA
V51E	14209	0603	26	FL
V73AX	14193	1350	23	NY
V73AZ	14182	1132	25	MA
VKØCH	14159	1050	20	OH
VK9TR	14185	1111	27	MA
VP5P	14026	1025	23	NY
VS6WU	14158	1147	22	LA
VU2PKK *	14194	1118	28	MA
ZS8MI	14230	1207	25	IL

17 Meter CW

3B8CF	18078	0317	23	AZ
5B4OG	18087	0140	23	SC
9M6KT	18073	1555	24	CA
AH3C	18090	1543	27	SC
EA8AB	18069	2150	22	SC
EA8FO	18070	2135	20	SC
FP5DX	18080	0318	20	SC
GB7ØSIG	18076	1550	24	CA
OY7ML	18073	2232	19	VA
PZ1DV	18082	2245	25	AL
RD7ØDC	18072	0230	21	SC
TA2AO	18077	0336	29	MA
UØK/ UAØQT	18079	0344	20	SC
UA2WJ	18076	0255	21	SC
UA9CBO	18082	0152	23	SC
UD7ØDE	18075	2209	25	SC
UD7ØLE	18084	2100	20	SC
UJ8S/ UZ9LWG	18071	0811	27	MA
UL7JC	18071	0312	25	MA
UQ1GYZ	18077	2155	25	SC
VQ9QM	18070	1610	24	CA
YO3CD	18080	0007	19	SC
YO3JW	18077	1821	19	VA
ZP6XDW	18080	2304	19	SC

17 Meter SSB

3X1AU	18128	2148	15	IL
C31LBB	18140	2355	26	MA
HC8GR	18121	0016	29	PA
HZ1AB	18155	2327	21	MI
V31SW	18126	1247	29	MA
VU2NR	18159	0157	27	MA
Y25WJ	18112	2323	18	IL
YO3CD	18152	0308	21	MI

15 Meter CW

3B8CF	21034	0451	22	NH
4K3/ RA3YG	21012	2149	21	NH
4K4QQ	21035	1608	22	NH
4S7CF	21011	0100	22	GA
4S7EA	21010	0002	18	IL
5NØELT	21029	2124	18	NH
A41JV	21024	0110	29	GA
BV2DA	21005	1622	21	NH
FR5DD	21029	0440	23	NH
GB5ØABF	21026	1255	20	NH
HKØBKX	21011	2027	17	IL
HZ1AB	21027	1345	20	IA
J2ØCD	21025	2230	24	IA
JD1/ JA9IAX	21004	1442	20	NH
JY9SR	21027	0141	22	IL
KHØ/ JH8FAJ	21029	1240	20	IA
OY1CT	21014	0117	21	VA
OY3QN	21025	2015	21	SC
PZ1AV	21033	1442	30	FL
PZ1DY	21025	0214	20	GA
SV2/ SV1RP	21017	2105	1	GA
SV9BAI	21016	2120	22	SC
TA2AO	21006	0430	17	IL
TF3SZ	21019	0154	29	FL
TKØTC	21022	0146	30	FL
UA6IGD	21025	0043	30	FL
UD6DKW	21008	0355	22	CA
UD7ØGF	21031	1509	16	BC
UJ8JCQ	21011	0057	21	VA
UL7BK	21027	1422	21	UT
UL7BX	21022	0145	30	FL
UL8PWS	21008	0407	17	NH
V73AZ	21027	2151	29	FL
VU2BK	21039	1425	21	UT
Z21CA	21034	1441	30	FL
ZC4BS	21063	2015	25	MA
ZD7KM	21023	2022	25	MA
ZD8LII	21009	2012	20	SC
ZK3EKY	21003	1158	19	NH

15 Meter SSB

4S7EA	21299	2340	20	MD
5T5SR	21333	2228	21	MD
5Z4FH	21231	1856	22	NH
6W1AD	21314	1718	23	NH
9H3MH	21250	1649	18	NH
9K2IC	21295	2240	24	IA
9L1GA	21353	2005	30	MD
A41KV	21295	2225	21	MD
ES2WX	21238	0112	21	IL
FOØKW	21305	0333	25	CA
HLØBOQ	21240	1229	18	VA
HZ1AB	21323	1633	21	NH
JW5E	21335	1925	17	TX
JY5IN	21309	2250	24	MD
KX6/ AH6IO	21345	2212	27	PA
OX3SG	21290	0123	25	PA
SV5TS	21324	2133	21	NY
TA8C	21283	0011	21	MD
TJ/ N3CRH	21350	2113	23	MD
TJ1RK	21408	2225	23	MD
UG6JJ	21309	1126	21	MA
UJ8JDT	21242	0102	23	NH
UL7FEC	21291	0053	20	IL
UL7JC	21340	0134	22	VA
UL7NW	21250	0103	23	NH
UL8PA	21251	0137	22	VA
VU2WAP	21286	0026	21	MD
YI1BGD	21277	1918	25	CA
ZK3EKY	21274	2303	22	PA

12 Meters

A92BE	24933	2237	1	MD
EA8JGS	24950	0049	20	IL
NP2DM	24967	0030	26	CA
OA4ZV	24951	1848	24	CA
VP2EXX	24943	2225	21	VA

10 Meter CW

EA8FO	28010	1445	21	SC
P29PL	28024	2345	18	GA

10 Meter SSB

5N6ZHM	28506	1640	30	NJ
5T5SR	28666	1453	1	MD
5T5SR	28444	1910	30	NJ
5V7DP/M	28515	1120	1	NJ
5V7RF	28515	1120	1	NJ
A22BW	28485	1645	30	NJ
A92BE	28483	2210	1	NJ
CEØMTY	28477	1921	24	MD
EA8BDW	28484	1530	30	MD
FOØKW	28472	2330	20	MD
FT4XG	28572	0835	27	NJ
FT5XH	28440	0825	27	NJ
PYØFF	28497	1430	30	NJ
TJ1PD	28495	1628	17	VA
TR8GG	28572	0920	1	NJ
TR8XX	28470	0855	1	NJ
TT8GL	28140	0920	26	NJ
TU2VE	28660	1645	30	MD
V51BG	28562	0915	28	NJ
V51HL/M	28490	1130	1	NJ
V51P	28435	1405	30	MD
VK6XR *	28500	0930	26	NJ
ZD8PJ	28523	1625	23	MD
ZS9A	28610	1431	1	MD
ZS9A	28463	1510	30	NJ

The DX Bulletin

P.O. Box 50
Fulton, CA 95439
U.S.A.

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(ISSN 0279-8077) is published fifty times
per year at P.O. Box 50, Fulton CA 95439.
Telephone (707) 523-1001. Fax: (707) 523-1001.
Compu-Serve 75755,737. One-year subscription
rates are $29 Second Class Mail, $38 First
Class Mail, US$50 Foreign Airmail. Second
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Calendar

Issue 545 - July 6, 1990

(Changes and hot info in boldface.)

Albania - ZA	**by HA5WE etc. soon?**	**I544**
Ascension - ZD8	ZD8LII 21010 19-2200Z	I543
Asiatic RSFSR	4K4QQ 14025 kHz 1400Z	I544
Azerbaijan - UD	**RD7ØDC 18073 0230Z**	**I545**
Barbados - 8P	**by Laines July 4-9**	**I544**
	8P9FS/FT 14020/21020 to July 7	**I544**
Botswana - A2	A22AA 14200± 1430Z	I543
British Virgin Islands	**VP2V by Laines July 10-13**	**I544**
Cameroon - TJ	**TJ1BG July**	**I544**
Cayman Island - ZF	**ZF2AH, JT July 1-14**	**I537**
Corsica - TK	**TK/PA3EBT/p June 23-July 16**	**I542**
Crete - SV9	SV9BAI 21017 2100Z	I545
Crozet - FT/W	FT4WB 28440 0930Z	I542
Dodecanese - SV	SV5TS 21320± 1930Z	I544
Eastern Malaysia - 9M	**9M8MG 14215/13Z 9M8PV 14165/12Z**	
Estonia - ES	ES1QD 14220± 0400Z	I544
European RSFSR	4K3ODX 14010 0400Z	I544
Fiji - 3D	3D2AG 14022 1030Z	I541
	3D2DD/SM July 16-21	I544
Grosse-Ile - VE2	CIØGI July 26-31 New One?	I544
Guadeloupe - FG	FG5ED 10101 0300Z	I544
Hong Kong - VS	VS6WV 14010 1330Z	I544
Iceland - TF	**DLs/TF July 27-Aug. 24**	**I545**
	TF3CW 21030 2230Z	I544
India - VU	VU2DZ 14180 1130Z	I544
ITU Geneva - 4U	**4U1ITU July 5-8**	**I542**
Jan Mayen - JX	JX7DFA 20M CW 2230Z	I544
Jordan - JY	JY9SR 21010 2000Z	I544
Juan de Nova - FR/J	**FR5ZU/J July 5-16 14280 kHz**	**I544**
Kenya - 5Z	5Z4BP 21320± 1930Z	I544
Kerguelen - FT/X	FT5XH 28440 08-1200Z	I545
	FT4XG 14162 1130Z	I544
Malawi - 7Q	7Q7RM 14040 1330Z	I543
Malaysia - 9M	9M2AX 14026 11-1300Z	I544
Marion Island - ZS8	ZS8MI 20M SSB 12-1400Z Sun.	I543
	28500± 1120-1400Z	I543
	14256 1130Z Sundays	I542
Market Reef - OHØM	July 28-Aug. 4	I534
Marshall Island - V7	**V73AZ 14190± 1100Z**	**I545**
Mauritania - 5T	5T5SR 21300± 2000Z	I543
Mauritius - 3B	3B8CF 21030/05Z 18077/0315Z	
Minami Torishima	JA9IAX/JD1 back	I544
Morocco - CN	CN2AQ 15M SSB 0400Z	I544
Nauru - C2	**C21NI June 27+**	**I536**
	C21DX 14200+/- 1130Z	I541
North Cooks - ZK	**ZK1XP July 6-12**	**I545**
Ogasawara - JD	KA2IJ 14165 10-1200Z	I544
Palau - KC6	**by JAs Sept. 12-16**	**I545**
Palmyra - KH5	**AA6LF/KH5 July 22-29**	**I545**
Papua New Guinea - P2	P29PL 20M CW 10-1200Z	I545
Paraguay - ZP	ZP6XDW 21026 0000Z	I543
Penguin Is. - ZS1	**DK9KX, DL8CM July 14-20**	**I544**
Reunion Island - FR	FR5DD 20M CW 04, 10-1200Z	I543
St. Helena - ZD7	ZD7VC 28470 11-1400Z	I544
St. Pierre - FP	FP5DX 14200± 0330Z	I544
	by W5WMU July 18-24	I541
San Andreas - HKØ	HKØBKX 14023 12, 00Z	I545
	HKØTCN 14200± 04, 0900Z	I543
Saudi Arabia - HZ	HZ1AB 14002 1330Z	I543
Singapore - 9V	9V1JY 14010 1400Z	I544
Solomon Island - H4	H44AP 14200+/- 1100-1300Z	I542
South Sandwich - VP8	**Nov. 20-Dec. 13 VP8SSI**	**I545**
Sri Lanka - 4S	4S7CF 21011 01-0200Z	I545
	4S7EA 21011 2320Z	I543
Swalbard - JW	**JW/DL3LAB, DK2OY July 7-12**	**I544**
Tadzhikistan - UJ	**UJ8JCQ 21013 0100Z**	**I545**
Taiwan - BV	BV2DA 14026 1330Z	I545
Thailand - HS	HSØAC 21025/01Z 14020/10Z	I545
	7006 1145Z, 14230 11-1200Z	I543
Togo - 5V	5V7RF 14215 kHz 0030Z	I542
Tokelau - ZK3	ZK3EKY 28400± 2340Z	I544
Turkey - TA	TA4A 20M CW 0000Z Thurs.	I543
	TA8C 15M SSB 22-2400Z	I543
United Arab Emirates	**A61AD 14190 kHz at 1400Z**	**I545**
Walvis Bay - ZS9	ZS9A 28610 1430-1600Z Sun.	I545
Willis - VK9	VK9TR 14190± 11-1300Z	I544

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AA4MM, AA5NN, AB8K, DF2UU, G3WQO, GM3MTH, I1RBJ, JA2EZD, JH1QDB, K1HDO, K2OLG, K3ZPG, K4GLU, K4II, K4IQJ, K4LNA, K7UOT, K8RWL, KA1MUY, KA1XN, KA3DBN, KC3NE, KF7PO, KG4O, KI6YB, KK6GE, KQ3S, KT7H, N1HN, N4MM, N4RJZ, N6EK, N6NKN, ND9X, UA1NEJ, UT4UZ, V31SW, VE3SUN, VE7COP, VK2PS, WØSK, WØUD, W1AW, W1BFT, W1CYB, W1HH, W1UN, W4JVN, W4VQ, W6JOX, W6OSP, W6UQF, W7AYY, WA2MZX, WA2VKS, WA6WPG, WA9AQE, WB2DND, WB8ZRL, WC5N, WC6I, WD9GGY, WDX9JUG, WY2V, and NCDXC. Thanks!